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NATIONAL SCIENCE FOUNDATION

Office of the Director
WASHINGTON, D.C. 20550

Notice No. 25

February 25, 1970

IMPORTANT NOTICE TO PRESIDENTS OF UNIVERSITIES AND COLLEGES

Subject: Science Development Activities

The Foundation's budget request for fiscal year 1971, now pending before Congress, contemplates several shifts in emphasis in its institutional development program. Funding levels and other details relating to these changes will not be known until after final Congressional action. Nevertheless, because of the recognized lag time requirement for proposal preparation, the present announcement is being made to provide planning guidance for those intending to submit proposals for consideration in fiscal year 1971 or thereafter.

For a decade the National Science Foundation has supported academic institutions in developing and maintaining their strength in science. In 1960 it established a matching-fund program for the support of Graduate Research Facilities as well as a formula-based institutional grant program. This was followed in April 1964 with the announcement of the Science Development Program. In October 1966 an "Important Notice" informed you of the establishment of two related programs for the support of institutional development in science--namely, University Science Development and Departmental Science Development.

Each of these programs has had as its primary objective the strengthening of the scientific and engineering base in the principal institutions and regions of the Nation with major emphasis on undergraduate and graduate education and research. These programs have made major contributions to this objective and have involved an expenditure in excess of \$450 million by the National Science Foundation and an even greater amount by the institutions themselves.

It now appears timely for the Foundation to reinforce a second objective for its science development programs--to emphasize the strengthening of existing and, when appropriate, new centers, institutes or areas of science and engineering that contribute more directly

to the solution of problems of national and social importance. Accordingly, the Foundation plans to regroup its present programs into a single activity to be called the Science Development Program. Continued emphasis on the basic science disciplines is indispensable to the long range health of the Nation and to the solution of societal problems. The Foundation will therefore remain responsive to the needs and plans of universities through continuance of support of development of individual departments as well as of broader areas of science. In addition, the Foundation seeks proposals for assistance in the growth and improvement of university activities that couple research and education efforts in science to the solution of problems of social importance. It will in addition encourage planning for problem oriented interdisciplinary and multi-disciplinary research and education centers, institutes or other groupings. These may be within a single institution or inter-institutional as appropriate.

Science Development grants may include support for faculty and graduate students central to the development plan. Equipment, supplies and minimal support for construction or renovation of facilities are eligible budget items, as are technical assistance and travel when justified. Construction support will normally be limited to renovation of existing facilities directly related to the Science Development proposal of the institution.

Institutions are encouraged to request funds for planning grants which will allow them to consider more systematically their moves into areas of education and research related to societal problems. In some instances institutions may wish to consider forming consortia or similar arrangements in order to best approach these areas.

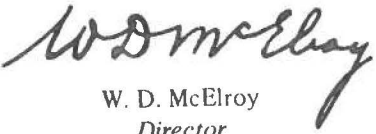
The Foundation intends to insure continuity, in

accordance with its previous announcements, to those University Science Development programs already funded.

Pending announcement of more specific instructions for the submission of Science Development proposals, Foundation brochures pertaining to Departmental Science Development and Graduate Science Facilities programs should be used as guides. Any university with

demonstrated strength in science research and education is eligible to submit a proposal. Consultation with the Foundation prior to submission of a proposal is strongly urged. For further information, inquiries should be directed to:

Assistant Director for Institutional Programs
National Science Foundation
Washington, D. C. 20550



W. D. McElroy
Director

CONSOLIDATED LIST OF FUTURE UNCLASSIFIED CONFERENCES AND SYMPOSIA SPONSORED WHOLLY AND PARTIALLY BY THE DEPARTMENT OF DEFENSE

FEBRUARY 1970

Following are the planned conferences and symposia on which information has been received as of 31 January 1970.

FEBRUARY 1970

†Sleep Cycles and Behavior, 5-7 Feb., at San Diego State College, San Diego. Conference. Sponsored by the Office of Naval Research. For information contact Dr. Laverne C. Johnson, USN Medical Neuropsychiatric Research Unit, San Diego, CA 02152. Tel. Area Code 714, 233-2481; or Autovon 8, 727-3850.

*Solid State Circuits, 18-20 Feb., at University of Pennsylvania, Philadelphia. International Conference. Sponsored by the Army Electronics Command, Office of Naval Research, Air Force Systems Command and the Institute of Electrical and Electronics Engineers. For information contact Mr. T. Bray, General Electric Corporation, Building 3, Room 261, Electronics Park, Syracuse, New York 13201.

MARCH 1970

Instrumentation for Nuclear Effects Simulation, 12-13 March at Sheraton Western Skies Motor Hotel, Albuquerque, NM. Symposium. Sponsored by the Air Force Special Weapons Center, Kirtland Air Force Base, NM. For information contact Mr. Herbert M. Fernandez, Air Force Special Weapons Center (SWVI), Kirtland Air Force Base, NM. 87117. Tel. Area Code 505, 247-1711, Ext. 2035 or AUTOVON 946-2035.

Prospects in Mathematics, 16-18 Mar., at Princeton University, Princeton, NJ. Sponsored by the Air Force Office of Aerospace Research and Princeton University. For information contact Major W. R. Trott, Air Force Office of Scientific Research (SRMM), 1400 Wilson Blvd., Arlington, VA 22209. Tel. Area Code 202, 694-5264.

Fourier Spectroscopy, 16-30 March at Aspen, Colorado. Symposium. Sponsored by the Air Force Cambridge Research Laboratories. For information contact A. T. Stair, Jr., Air Force Cambridge Research Labs., L. G. Hanscom Field, Bedford, MA. 01731. Tel. Area Code 617, 274-6100, Ext. 4911; or George Vanasse, Air Force Cambridge Research Labs., Area Code 617, 274-6100, Ext. 3455.

Thermodynamics and Thermophysics, 23-24 March at Lockheed Missiles and Space Company, Sunnyvale, CA. Symposium. Sponsored by the Air Force Office of Scientific Research and Lockheed. For information contact Major D. L. Calvert, Air Force Office of Scientific Research, 1400 Wilson Blvd., Arlington, VA. 22209. Tel. Area Code 202, 694-5567.

Submillimeter Waves, 31 Mar.-23 Apr., at Commodore Hotel, New York City. Polytechnic Institute of Brooklyn Symposium. Sponsored by the Air Force Office of Scientific Research, Office of Naval Research and the Army Research Office. For information contact Major H. W. Jackson, Air Force Office of Scientific Research (SREE), 1400 Wilson Blvd., Arlington, VA. 22209. Tel. Area Code 202, 694-5565.

APRIL 1970

†Army Numerical Analysis, 2-3 April, at Fort Belvoir, VA. 1970 Army Conference. Sponsored by the Army Mathematics Steering Committee on behalf of the Office of the Chief of Research and Development. Host: Night Vision Laboratory. For information contact Dr. F. G. Dressel, Mathematics Division, U. S. Army Research Office—Durham, Box CM, Duke Station, Durham, NC 27706. Tel. Area Code 919, 286-2285.

Mathematical Conference on Several Complex Variables, 5-17 April, at University of Maryland, College Park, International Conference. Sponsored

by the Air Force Office of Scientific Research and the Office of Naval Research. For information contact Major W. R. Trott, Air Force Office of Scientific Research (SRMM), 1400 Wilson Blvd., Arlington, VA 22209. Tel. Area Code 202, 694-5264.

*Snow Removal and Ice Control Research on Roads and Runways, 8-10 April, at Hanover, N.H. Symposium. Sponsored by the Chief of Research and Development, Department of the Army and the Highway Research Board of the National Academy of Sciences. For information contact the Commanding Officer/Director, U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, N. H. 03755.

Frequency Control, 27-29 April, at Atlantic City, NJ 24th Annual Symposium. Sponsored by the Solid State and Frequency Control Division, Electronic Components Laboratory, U. S. Army Electronics Command, Ft. Monmouth, NJ. For information contact Mr. J. M. Stanley, Director, Electronic Components Laboratory, U. S. Army Electronics Command, ATTN: (AMSEL-KL-SP) Ft. Monmouth, NJ 07703. Tel. Area Code 201, 535 1275 or 1805.

MAY 1970

Power Sources, 19-21 May at Electronic Components Laboratory, U. S. Army Electronics Command Fort Monmouth, NJ. 24th Annual Symposium. Sponsored by the Electronic Components Laboratory, U. S. Army Electronics Command and Interagency Advanced Power Group. For information contact David Linden, Deputy Chief, Power Sources Division, Electronic Components Laboratory, U. S. Army Electronics Command, Fort Monmouth, NJ 07703. Tel. Ext. 52084. Chairman: Arthur Daniel, Electronic Components Laboratory, U. S. Army Electronics Command, Fort Monmouth, NJ. Tel. Ext. 51544.

†Army Mathematicians, 27-28 May, at U. S. Army Strategy and Tactics Analysis Group, Bethesda, MD. Sixteenth Conference. Sponsored by the U. S. Army Research Office—Durham on behalf of the U. S. Army Mathematics Steering Committee. For information contact Dr. Francis G. Dressel, Mathematics Division, U. S. Army Research Office—Durham, Box CM, Duke Station, Durham, N. C. Tel. Area Code 919, 286-2285, Ext. 75.

SPRING OR SUMMER 1970

Laser in Science and Technology, Late spring or early summer, at University of Washington, Seattle. Symposium by the Air Force Office of Scientific Research and the University of Washington. For information contact Milton Rogers, Air Force Office of Scientific Research (SREM), 1400 Wilson Blvd., Arlington, VA 22209. Tel. Area Code 202, OX 4-5567.

JUNE 1970

Probabilistic Structural Mechanics and Design, June-July, at University of Illinois, Urbana, IL (Summer Institute). Sponsored by the U. S. Army Construction Engineering Research Laboratory and the National Science Foundation. For information contact LTCOL E. S. Townsley, Director, Construction Engineering Research Laboratory, P. O. Box 4005, Champaign, IL 61820.

*Phased Array Antenna, 2-5 June, at Polytechnic Institute of Brooklyn, Campus at Farmingdale, New York. Symposium. Sponsored by the Chief of Research and Development, Department of the Army. For information contact Lindsey B. Anderson, Assistant Director/Chief, Radar Systems Division, U. S. Army Advanced Ballistic Missile Defense Agency, Commonwealth Building, 1320 Wilson Blvd., Arlington, VA. 22209. Tel. OX 4-2752.

Molecular Crystal, 9-11 June, at University of Pennsylvania, Philadelphia. Fifth Molecular Symposium. Sponsored by the U. S. Army Research Office—Durham. For information contact Lt. Col. Edgar G. Hickson, Jr., U. S. Army Research Office—Durham, Box CM, Duke Station, Durham, NC 27706. Tel. Area Code 919, 286-2285.

Heat Transfer and Fluid Mechanics, 10-12 June at Naval postgraduate School, Monterey, CA. Institute Conference. Sponsored by the U. S. Army Research Office—Durham, and National Science Foundation. For information contact Mr. James J.

Murray, Director, Engineering Sciences Division, U. S. Army Research Office—Durham, Box CM, Duke Station, Durham, NC 27706. Tel. Area Code 919, 286-2285, Ext. 39.

AUGUST 1970

Liquid Crystal, August, at Kent University, OH. 3rd International Conference. Sponsored by the Air Force Office of Scientific Research, Liquid Crystal Institute of Kent State University and Industry. For information contact Lt. Col. L. D. Whipple, Air Force Office of Scientific Research (SRC), 1400 Wilson Blvd., Arlington, VA 22209. Tel. Area Code 202, 694-5337.

Detonation, 18-21 Aug., at Pasadena, CA. Fifth International Symposium. Sponsored by the Office of Naval Research and the Naval Ordnance Laboratory. For information contact Dr. S. J. Jacobs, Co-Chairman, U. S. Naval Ordnance Laboratory, Silver Spring, MD 20910. Tel. Area Code 301, 495-8404.

Combustion, 23-29 Aug., at University of Utah, Salt Lake City, UT. 13th International Symposium. Sponsored by the Department of the Army, Department of the Navy, Department of the Air Force, National Science Foundation, National Aeronautics and Space Administration and the Combustion Institute. For information contact Lt. Col. Edgar C. Hickson, Jr., U. S. Army Research Office—Durham, Box CM, Duke Station, Durham, NC 27706. Tel. Area Code 919, 286-2285.

†Radiation Effects in Semiconductors, 24-28 Aug., at State University of New York, 1970 International Conference. Sponsored by the Office of Naval Research, Air Force Cambridge Research Laboratory and the State University of New York, Albany. For information contact CDR C. W. Causey, USN, Code 422, Office of Naval Research, Department of the Navy, Washington, D. C. 20360. Tel. Area Code 202, OX 6-5673; or Mr. C. D. Turner, Air Force Cambridge Research Laboratories, (CRWH), L. G. Hanscom Field, Bedford, Mass. 01730. Tel. Area Code 617, 274-6100, Ext. 4034.

SEPTEMBER 1970

Aircraft Wake Turbulence, 7-10 Sept., at Seattle, WA Symposium. Sponsored by the Air Force Office of Scientific Research and Boeing Scientific Research Laboratories. For information contact Lt. Col. W. L. Shields, Jr., Air Force Office of Scientific Research (SREM), 1400 Wilson Blvd., Arlington, VA 22209. Tel. Area Code 202, 694-5567.

Advanced Experimental Techniques in the Mechanics of Materials, 9-11 Sept. at San Antonio, TX. Sponsored by the Air Force Office of Scientific Research and the Southwest Research Institute. For information contact Dr. J. Pomerantz, Air Force Office of Scientific Research (SREM), 1400 Wilson Blvd., Arlington, VA 22209. Tel. Area Code 202, 694-5568.

OCTOBER 1970

Engineering Geologists, 22-23 Oct., at Mayflower Hotel, Washington, DC Special International Symposium. Sponsored by the U. S. Army Research Office—Durham. For information contact Dr. William Van Royen, Director, Division of Environmental Sciences, U. S. Army Research Office—Durham, Box CM, Duke Station, Durham, NC 27706. Tel. Area Code 919, 286-2285, Ext. 52.

Space Congress, 27-29 Oct., in Santa Maria, CA. First Western. Sponsored by the Vandenberg Scientific and Technical Societies Council. For information contact Mr. B. Z. Woods, Exhibits Chairman, P. O. Box 1134, Santa Maria, CA 93454.

Note: * Asterisk indicates a new entry.

† Dagger indicates revision of a previous entry.

Please ensure that information on all planned conferences and symposia of interest to DoD research, development, test and evaluation personnel is forwarded to: Assistant Director (Programming) Office of the Director of Defense and Engineering, The Pentagon, Washington, DC 20301.

L. A. Knutson, Assistant Director (Programmi